

COMBINED DECLARATION AND POWER OF ATTORNEY

As a below named inventor, I hereby declare that:

This declaration is of the following type:

- ☒ original
- ☐ divisional
- ☐ continuation
- ☐ continuation-in-part

INVENTORSHIP IDENTIFICATION

My residence, post office address and citizenship are as stated below next to my name. I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

TITLE OF INVENTION

"SELECTIVE ETCHING OF CARBON-DOPED LOW-K DIELECTRICS"

SPECIFICATION IDENTIFICATION

The specification of which:

- ☒ is attached hereto
- ☐ was filed on _____, under Serial No. (unknown), executed on even date herewith; or
- ☐ Express Mail No. _____ (as Serial No. not yet known)
- ☐ and was amended on _____ (if applicable)
- ☐ was described and claimed in PCT international application no. _____ filed on _____ and as amended under PCT Article 19 on _____.

ACKNOWLEDGEMENT OF REVIEW OF PAPERS AND DUTY OF CANDOR

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose all information I know to be material to patentability in accordance with Title 37, Code of Federal Regulations, §1.56,

and which is material to the examination of this application; namely, information where there is a substantial likelihood that a reasonable Examiner would consider it important in deciding whether to allow the application to issue as a patent, and

☐ In compliance with this duty, there is attached an Information Disclosure Statement in accordance with 37 CFR §1.98.

PRIORITY CLAIM (35 U.S.C. §119)

I hereby claim foreign priority benefits under Title 35, United States Code, §119, of any provisional or any foreign application(s) for patent or inventor's certificate or of any PCT international application(s) designating at least one country other than the United States of America listed below, and have also identified below any foreign application(s) for patent or inventor's certificate or any PCT international application(s) designating at least one country other than the United States of America filed by me on the same subject matter having a filing date before that of the application(s) of which priority is claimed.

- ☒ No such applications have been filed.
- ☐ Such applications have been filed as follows:

A. Prior foreign/PCT application(s) filed within 12 mos. (6 mos. for design) prior to this application, and any priority claims under 35 U.S.C. §119

| <u>Country/PCT</u> | <u>Application No</u> | <u>Date Filed</u> | <u>Priority Claimed</u> |
|--------------------|-----------------------|-------------------|--|
| | | | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| | | | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| | | | <input type="checkbox"/> Yes <input type="checkbox"/> No |

B. All foreign application(s), if any, filed more than 12 mos. (6 mos. for design) prior to this U.S. application

Country:
Application No:
Filing date:

C. US Provisional applications filed within 12 months prior to this U.S. Application

Application No:
Filing date:

PRIORITY CLAIM (35 U.S.C. §120)

I hereby claim the benefit under Title 35, United States Code, §120, of any United States application(s) or PCT international application(s) designating the United States of America that is/are listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in that/those prior application(s) in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose information that is material to the examination of this application (namely, information where there is substantial likelihood that a reasonable Examiner would consider it important in deciding whether to allow the application to issue as a patent) which occurred between the filing date of the prior application(s) and the national or PCT international filing date of this application.

- ☐ No such applications have been filed
- ☐ Such applications have been filed, as follows:

| <u>Serial No.</u> | <u>Filing Date</u> | <u>Patented</u> | <u>Status</u> | |
|-------------------|--------------------|-----------------|----------------|------------------|
| | | | <u>Pending</u> | <u>Abandoned</u> |
| | | | | |

POWER OF ATTORNEY

I hereby appoint the following attorneys and/or agents to prosecute this application and transact all business in the Patent and Trademark Office connected therewith:

| | |
|-----------------------|-------------------------|
| Peter J. Sgarbossa | Registration No. 25,610 |
| Donald Verplancken | Registration No. 33,217 |
| Lawrence Edelman | Registration No. 25,226 |
| Michael B. Einschlag | Registration No. 29,301 |
| Raymond Kam-On Kwong | Registration No. 37,165 |
| James C. Wilson | Registration No. 35,412 |
| Joseph Bach | Registration No. 37,771 |
| Robert W. Mulcahy | Registration No. 25,436 |
| Walter Benjamin Glenn | Registration No. 44,713 |
| Francis E. Morris | Registration No. 24,615 |

Send correspondence to:

Direct telephone calls to:

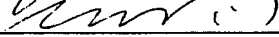
Patent Counsel, MS/2061
Legal Affairs Dept.
Applied Materials, Inc.
P. O. Box 450A
Santa Clara, CA 95052.

Francis E. Morris
Phone No. (650) 493-4935

DECLARATION

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and, further, that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Sec. 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patents issued thereon.

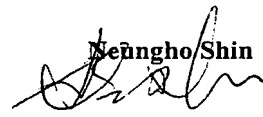
Full name of sole or first inventor: **Yunsang Kim**

Inventor's signature:  Date: 6-09-03
Residence: San Jose, California
Post Office Address: 3648 Gleason Avenue
San Jose, CA 95130

U.S.A.

Country of Citizenship: Korea South

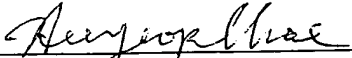
Full name of second inventor:

Inventor's signature:  Date: 6/9/03
Residence: San Jose, California
Post Office Address: 4325 Norwalk Dr. R-105
San Jose, CA 95129

U.S.A.

Country of Citizenship: Korea South

Full name of **third** inventor: **Heeyeop Chae**

Inventor's signature:  Date: 6-9-2003

Residence: San Jose, California
Post Office Address: 1657 Tawnygate Way
San Jose, CA 95124

U.S.A.

Country of Citizenship: Korea South

Full name of **fourth** inventor: **Joey Chiu**

Inventor's signature: _____ Date: _____

Residence: Chung-Li City, Taoyuan County, Taiwan
Post Office Address: No. 226, Ming-Ter Road
Chung-Li City, Taoyuan County, Taiwan

TAIWAN

Country of Citizenship: Taiwan

Full name of **fifth** inventor: **Yan Ye**

Inventor's signature:  Date: 6-09-2003

Residence: Saratoga, California
Post Office Address: 13271 Via Arriba Drive
Saratoga, CA 95070

U.S.A.

Country of Citizenship: USA

Full name of **sixth** inventor: **Fang Tian**

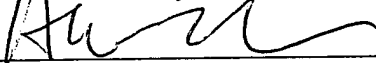
Inventor's signature: _____ Date: _____

Residence: Fremont, California
Post Office Address: 750 Navajo Way
Fremont, CA 94539

U.S.A.

Country of Citizenship: USA

Full name of **seventh** inventor: **Xiaoye Zhao**

Inventor's signature:  Date: 6/9/03

Residence: Mountain View, California
Post Office Address: 117 Whits Road
Mountain View, CA 94040

U.S.A.

Country of Citizenship: USA

Full name of **eighth** inventor:

Inventor's signature: _____ Date: _____

Residence:
Post Office Address:

U.S.A.

Country of Citizenship:

Full name of **ninth** inventor:

Inventor's signature: _____ Date: _____

Residence:

Post Office Address:

U.S.A.

Country of Citizenship:

(Declaration ends with this page)

COMBINED DECLARATION AND POWER OF ATTORNEY

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Full name of sole or first inventor:

Yunsang Kim

Inventor's signature: _____

Date: _____

Residence:

Post Office Address: San Jose, California
3648 Gleason Avenue
San Jose, CA 95130

U.S.A.

Country of Citizenship: Korea South

Full name of second inventor:

Neungho Shin

Inventor's signature: _____

Date: _____

Residence:

Post Office Address: San Jose, California
4325 Norwalk Dr. R-105
San Jose, CA 95129

U.S.A.

Country of Citizenship: Korea South

Full name of **third** inventor: **Heeyeop Chae**

Inventor's signature: _____ Date: _____

Residence: San Jose, California
Post Office Address: 1657 Tawnygate Way
San Jose, CA 95124

U.S.A.

Country of Citizenship: Korea South

Full name of **fourth** inventor: **Joey Chiu**

Inventor's signature: Joey Chiu Date: 7/18/03

Residence: Chung-Li City, Taoyuan County, Taiwan
Post Office Address: No. 226, Ming-Ter Road
Chung-Li City, Taoyuan County, Taiwan

TAIWAN

Country of Citizenship: Taiwan

Full name of **fifth** inventor: **Yan Ye**

Inventor's signature: _____ Date: _____

Residence: Saratoga, California
Post Office Address: 13271 Via Arriba Drive
Saratoga, CA 95070

U.S.A.

Country of Citizenship: USA

Full name of **sixth** inventor: **Fang Tian**

Inventor's signature: _____ Date: _____

Residence: Fremont, California
Post Office Address: 750 Navajo Way
Fremont, CA 94539

U.S.A.

Country of Citizenship: USA

Full name of **seventh** inventor: **Xiaoye Zhao**

Inventor's signature: _____ Date: _____

Residence: Mountain View, California
Post Office Address: 117 Whits Road
Mountain View, CA 94040

U.S.A.

Country of Citizenship: USA

Full name of **eighth** inventor:

Inventor's signature: _____ Date: _____

Residence:
Post Office Address:

U.S.A.

Country of Citizenship:

Full name of **ninth** inventor:

Inventor's signature: _____ Date: _____

Residence:

Post Office Address:

U.S.A.

Country of Citizenship:

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☐ Such applications have been filed, as follows:

| <u>Serial No.</u> | <u>Filing Date</u> | <u>Patented</u> | <u>Status</u> |
|-------------------|--------------------|-----------------|------------------------|
| | | | Pending Abandoned |

POWER OF ATTORNEY

I hereby appoint the following attorneys and/or agents to prosecute this application and transact all business in the Patent and Trademark Office connected therewith:

| | |
|-----------------------|-------------------------|
| Peter J. Sgarbossa | Registration No. 25,610 |
| Donald Verplancken | Registration No. 33,217 |
| Lawrence Edelman | Registration No. 25,226 |
| Michael B. Einschlag | Registration No. 29,301 |
| Raymond Kam-On Kwong | Registration No. 37,165 |
| James C. Wilson | Registration No. 35,412 |
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Full name of **sole or first** inventor: **Yunsang Kim**

Inventor's signature: _____ Date: _____
Residence: San Jose, California
Post Office Address: 3648 Gleason Avenue
San Jose, CA 95130

U.S.A.

Country of Citizenship: Korea South

Full name of **second** inventor: **Neungho Shin**

Inventor's signature: _____ Date: _____
Residence: San Jose, California
Post Office Address: 4325 Norwalk Dr. R-105
San Jose, CA 95129

U.S.A.

Country of Citizenship: Korea South

Full name of **third** inventor: **Heeyeop Chae**

Inventor's signature: _____ Date: _____

Residence: San Jose, California
Post Office Address: 1657 Tawnygate Way
San Jose, CA 95124

U.S.A.

Country of Citizenship: Korea South

Full name of **fourth** inventor: **Joey Chiu**

Inventor's signature: _____ Date: _____

Residence: Chung-Li City, Taoyuan County, Taiwan
Post Office Address: No. 226, Ming-Ter Road
Chung-Li City, Taoyuan County, Taiwan

TAIWAN

Country of Citizenship: Taiwan

Full name of **fifth** inventor: **Yan Ye**

Inventor's signature: _____ Date: _____

Residence: Saratoga, California
Post Office Address: 13271 Via Arriba Drive
Saratoga, CA 95070

U.S.A.

Country of Citizenship: USA

Full name of **sixth** inventor: **Fang Tian**

Inventor's signature:  Date: 6/15/2003

Residence: Fremont, California
Post Office Address: 750 Navajo Way
Fremont, CA 94539

U.S.A.

Country of Citizenship: USA

Full name of **seventh** inventor: **Xiaoye Zhao**

Inventor's signature: _____ Date: _____

Residence: Mountain View, California
Post Office Address: 117 Whits Road
Mountain View, CA 94040

U.S.A.

Country of Citizenship: USA

Full name of **eighth** inventor:

Inventor's signature: _____ Date: _____

Residence:
Post Office Address:

U.S.A.

Country of Citizenship:

Full name of **ninth** inventor:

Inventor's signature: _____ Date: _____

Residence:

Post Office Address:

U.S.A.

Country of Citizenship:

(Declaration ends with this page)

(Rev. 6-93)

OMB No. 0651-0011 (exp. 4/94)

PATENTS ONLY

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original document or copy thereof.

1. Name of conveying party(ies):

Date

| | |
|-----------------|-----------|
| 1. Yunsang Kim | 6/09/2003 |
| 2. Neungho Shin | 6/09/2003 |
| 3. Heeyeop Chae | 6/09/2003 |
| 4. Joey Chiu | 7/18/2009 |
| 5. Yan Ye | 6/09/2003 |
| 6. Fang Tian | 6/15/2003 |
| 7. Xiaoye Zhao | 6/09/2003 |

Additional name(s) of conveying party(ies) attached? Yes ☒ No

3. Nature of conveyance:

☒ Assignment☐ Merger☐ Security Agreement☐ Change of Name☐ Other

Execution Date: SEE ABOVE

2. Name and address of receiving party(ies):

Name: Applied Materials, Inc.

A Corporation of the State of Delaware

Street Address: 3050 Bowers Ave

Internal Address: M/S 2061

City: Santa Clara State: CA Zip: 95054

Additional name(s) & address(es) attached? Yes ☒ No

4. Application number(s) or registration number(s):

If this document is being filed together with a new application, the execution date of the application is: August 1, 2003 (Date of Filing)

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached? Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: APPLIED MATERIALS, INC.

Internal Address: PATENT COUNSEL, M/S 2061

Street Address: P.O. Box 450-A

City: Santa Clara State: CA Zip: 95052

6. Total number of applications and patents involved: 1

7. Total fee (37 C.F.R. 3.41) \$ 40.00

☐ Enclosed☒ Authorized to be charged to deposit account 50-1074

8. Deposit account number:

50-1074

DO NOT USE THIS SPACE

9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

ROBERT W. MULCAHY, Reg. No. 25,436

Name of Person Signing

Signature

Date

Total number of pages including cover sheet, attachments and document: 10

Mail documents to be recorded with required cover sheet information to:
Commissioner of Patents & Trademarks, Box Assignments
Washington, D.C. 20231

ASSIGNMENT FOR APPLICATION FOR PATENT

WHEREAS:

Names and Addresses
of Inventors:

| | | | |
|----|--|----|--|
| 1) | Yunsang Kim 3648 Gleason Avenue San Jose, CA 95130 | 2) | Neungho Shin 4325 Norwalk Dr. R-105 San Jose, CA 95129 |
| 3) | Heeyeop Chae 1657 Tawnygate Way San Jose, CA 95124 | 4) | Joey Chiu No. 226, Ming-Ter Road Chung-Li City, Taoyuan County, Taiwan |
| 5) | Yan Ye 13271 Via Arriba Drive Saratoga, CA 95070 | 6) | Fang Tian 750 Navajo Way Fremont, CA 94539 |
| 7) | Xiaoye Zhao 117 Whits Road Mountain View, CA 94040 | 8) | |
| 9) | | | |

(hereinafter referred to as Assignors), have invented a certain invention entitled:

"Selective Etching of Carbon-Doped Low-K Dielectrics"

67308
11.4.02

for which application for Letters Patent in the United States was filed on @ ,
under Serial No. @ , executed on even date herewith; and

WHEREAS, Applied Materials, Inc., a corporation of the State of Delaware, having a place of business at 3050 Bowers Avenue, Santa Clara, California 95054 (hereinafter referred to as Assignee), is desirous of acquiring the entire right, title and interest in and to said application (hereinafter referred to as Application), and the invention disclosed therein (hereinafter referred to as Invention), and in and to all embodiments of the Invention, heretofore conceived, made or discovered by said Assignors, and in and to any and all patents, inventor's certificates and other forms of protection (hereinafter referred to as Patents) thereon granted in any and all countries and groups of countries.

NOW, THEREFORE, in consideration of good and valuable consideration acknowledged by said Assignors to have been received in full from said Assignee:

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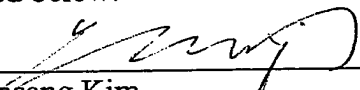
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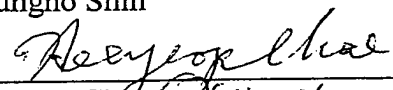
1) 06-09, 2003


Yunsang Kim

2) 06-09, 2003


Neungho Shin

3) 06-09, 2003


Heeyeop Chae (Hee Yeop Chae ; legal name)

4) _____, 2003

Joey Chiu

5) 6-9, 2003


Yan Ye

6) _____, 2003

Fang Tian

7) 6-19, 2003


Xiaoye Zhao

8) _____, 2003

9) _____, 2003

ASSIGNMENT FOR APPLICATION FOR PATENT

WHEREAS:

Names and Addresses
of Inventors:

| | | | |
|----|--|----|--|
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for which application for Letters Patent in the United States was filed on @ ,

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Xiaoye Zhao

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7354/E
REC'D MAR 08 2004

UNITED STATES PATENT AND TRADEMARK OFFICE

UNDER SECRETARY OF COMMERCE FOR INTELLECTUAL PROPERTY AND
DIRECTOR OF THE UNITED STATES PATENT AND TRADEMARK OFFICE

MARCH 01, 2004

APPLIED MATERIALS, INC.
ROBERT W. MULCAHY
PATENT COUNSEL, M/S 2061
P.O. BOX 450-A
SANTA CLARA, CA 95052

CPTAS
MAR 10 2004



102525524A

UNITED STATES PATENT AND TRADEMARK OFFICE
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 08/01/2003

REEL/FRAME: 014376/0529
NUMBER OF PAGES: 10

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:
KIM, YUNSANG

DOC DATE: 06/09/2003

ASSIGNOR:
SHIN, NEUNGHO

DOC DATE: 06/09/2003

ASSIGNOR:
CHAE, HEEYEOP

DOC DATE: 06/09/2003

ASSIGNOR:
CHIU, JOEY

DOC DATE: 07/18/2003

ASSIGNOR:
YE, YAN

DOC DATE: 06/09/2003

ASSIGNOR:
TIAN, FANG

DOC DATE: 06/15/2003

014376/0529 PAGE 2

ASSIGNOR:
ZHAO, XIAOYE

DOC DATE: 06/09/2003

ASSIGNEE:
APPLIED MATERIALS, INC.
3050 BOWERS AVE
M/S 2061
SANTA CLARA, CALIFORNIA 95054

SERIAL NUMBER: 10632873
PATENT NUMBER:

FILING DATE:
ISSUE DATE:

JEFFREY OLSEN, EXAMINER
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS

08-15-2003

FORM PTO-1595

RE

U.S. Department of Commerce
Patent And Trademark Office

(Rev. 6-93)

OMB No. 0651-0011 (exp. 4/94)

To the Honorable Commissioner of Patents and Trademarks



102525524

copy thereof.

Name and address of receiving party(ies):

1. Name of conveying party(ies):

| | Date |
|-----------------|------------------|
| 1. Yunsang Kim | 8-1-03 6/09/2003 |
| 2. Neungho Shin | 6/09/2003 |
| 3. Heeyeop Chae | 6/09/2003 |
| 4. Joey Chiu | 7/18/2009 |
| 5. Yan Ye | 6/09/2003 |
| 6. Fang Tian | 6/15/2003 |
| 7. Xiaoye Zhao | 6/09/2003 |

Additional name(s) of conveying party(ies) attached? Yes ☒ No

3. Nature of conveyance:

☒ Assignment☐ Merger☐ Security Agreement☐ Change of Name☐ Other

Execution Date: SEE ABOVE

Name: Applied Materials, Inc.

A Corporation of the State of Delaware

Street Address: 3050 Bowers Ave

Internal Address: M/S 2061

City: Santa Clara State: CA Zip: 95054

Additional name(s) & address(es) attached? Yes ☒ No

4. Application number(s) or registration number(s):

10632873

If this document is being filed together with a new application, the execution date of the application is: August 1, 2003 (Date of Filing)

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached? Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: APPLIED MATERIALS, INC.

Internal Address: PATENT COUNSEL, M/S 2061

Street Address: P.O. Box 450-A

City: Santa Clara State: CA Zip: 95052

6. Total number of applications and patents involved: 1

7. Total fee (37 C.F.R. 3.41) \$40.00

☐ Enclosed☒ Authorized to be charged to deposit account 50-1074

8. Deposit account number:

50-1074

DO NOT USE THIS SPACE

9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

ROBERT W. MULCAHY, Reg. No. 25,436

Name of Person Signing

Signature

Date

8/1/03

Total number of pages including cover sheet, attachment and document: 10

08/14/2003 ECDOPER 00000019 501074

10632873

Documents to be recorded with required cover sheet information to:
Commissioner of Patents & Trademarks, Box Assignments
Washington, D.C. 20231

01 FC:8021

40.00 DA

ASSIGNMENT FOR APPLICATION FOR PATENT

WHEREAS:

Names and Addresses
of Inventors:

| | | | |
|----|--|----|--|
| 1) | Yunsang Kim 3648 Gleason Avenue San Jose, CA 95130 | 2) | Neungho Shin 4325 Norwalk Dr. R-105 San Jose, CA 95129 |
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for which application for Letters Patent in the United States was filed on @ ,

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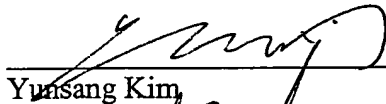
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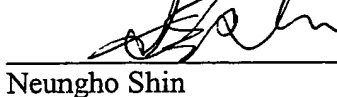
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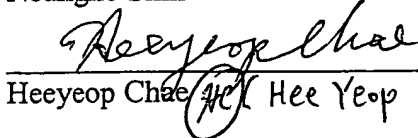
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Names and Addresses
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1. Said Assignors hereby sell, assign, transfer and convey to Assignee the full and exclusive right, title and interest (a) in and to said Application and said Invention; (b) in and to all rights to apply for patents on said Invention in any and all countries pursuant to the International Convention for the Protection of Industrial Property or otherwise; (c) in and to any and all Applications filed and any and all Patents granted on said Invention in any and all countries and groups of countries, including each and every Application filed and each and every Patent granted on any application which is a division, substitution, or continuation of said Application; and (d) in and to each and every reissue or extension of any of said Patents.

2. Said Assignors hereby covenant and agree to cooperate with said Assignee to enable said Assignee to enjoy to the fullest extent the right, title and interest to said Invention herein conveyed in any and all countries and groups of countries. Such cooperation by said Assignors shall include prompt production of pertinent facts and documents, giving testimony, execution of petitions, oaths, specifications, declarations or other papers, and other assistance all to the extent deemed necessary or desirable by said Assignee (a) for perfecting in said Assignee the right, title and interest herein conveyed; (b) for prosecuting any of said applications; (c) for filing and prosecuting substitute, divisional, continuing or additional applications covering said Invention; (d) for filing and prosecuting applications for reissuance of any of said Patents; (e) for interference or other priority proceedings involving said Invention; and (f) for legal proceedings involving said Invention and any application therefor and any Patents granted thereon, including without limitation opposition proceedings, cancellation proceedings, priority contests, public use proceedings, infringement actions and court actions; provided, however, that the expense incurred by said Assignors in providing such cooperation shall be paid for by said Assignee.

3. The term and covenants of this agreement shall inure to the benefit of said Assignee, its successors, assigns and other legal representatives, and shall be binding upon said Assignors, their respective heirs, legal representatives and assigns.

4. Said Assignors hereby warrant and represent that they have not entered and will not enter into any assignment, contract, or understanding in conflict herewith.


IN WITNESS WHEREOF, the said Assignors have executed and delivered this instrument to said Assignee on the dates indicated below.

| | | | | |
|----|-------|------|-------|--------------|
| 1) | _____ | 2003 | _____ | Yunsang Kim |
| 2) | _____ | 2003 | _____ | Neungho Shin |
| 3) | _____ | 2003 | _____ | Heeyeop Chae |
| 4) | _____ | 2003 | _____ | Joey Chiu |

5) _____, 2003

Yan Ye

6) _____, 2003



Fang Tian

7) _____, 2003

Xiaoye Zhao

8) _____, 2003

9) _____, 2003
